

## ABSTRACT OF THE DISCLOSURE

A printing system in one implementation of an electronic device network system of the present invention includes a plurality of hosts, a plurality of storages, and a plurality of printers, wherein the hosts, storages, and printers are connected to one another on the Internet. The hosts, storages, and printers each have one of two data protecting functions, and each have three security levels. As a result, there is provided an electronic device network system that enables a user to transmit data through a transmission route according to a user's desired security level, while taking into account protection (security) of transmitted data between electronic devices on the network. In addition, there is also provided a data receiver search method using such an electronic device network system.